

FIG. 1

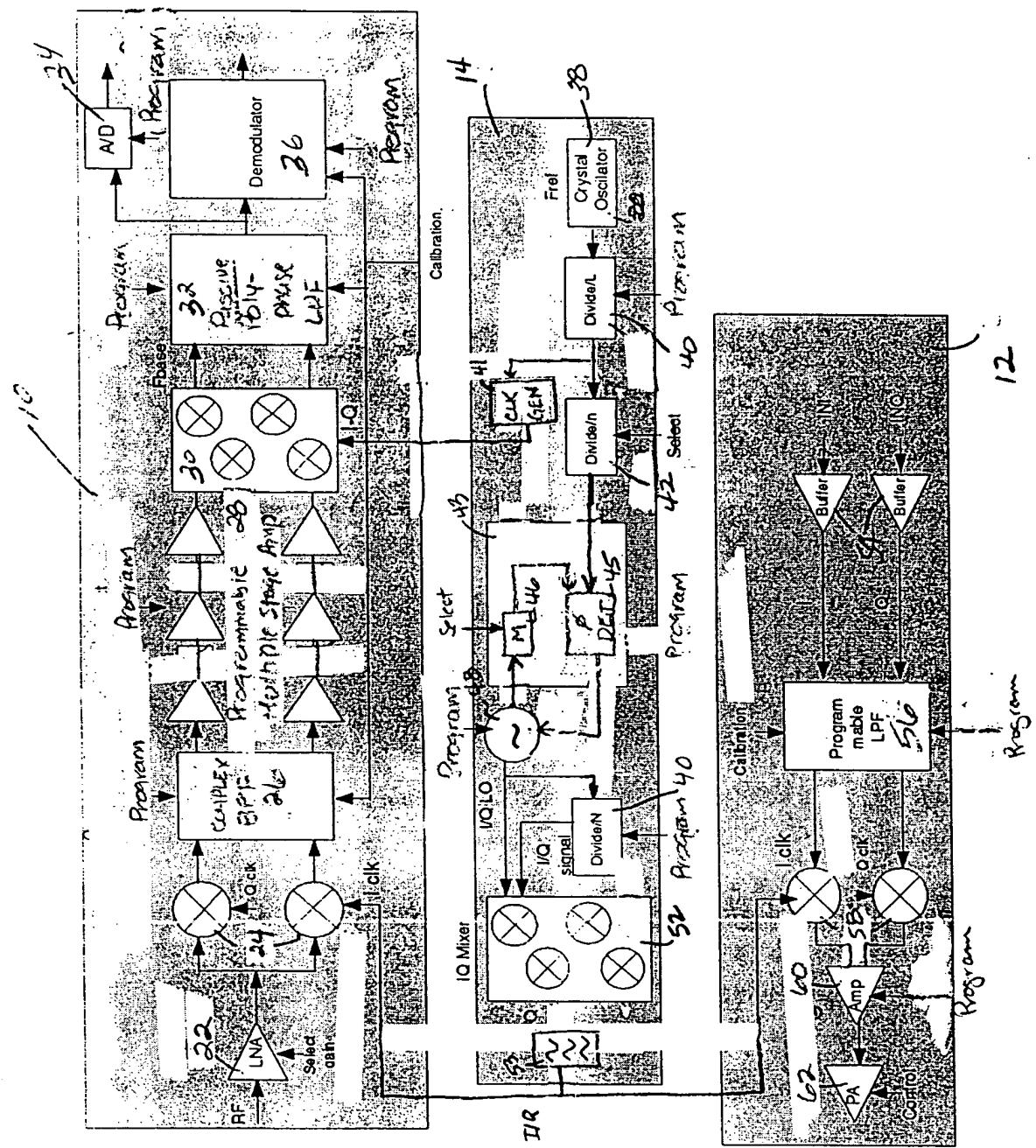


FIG. 2

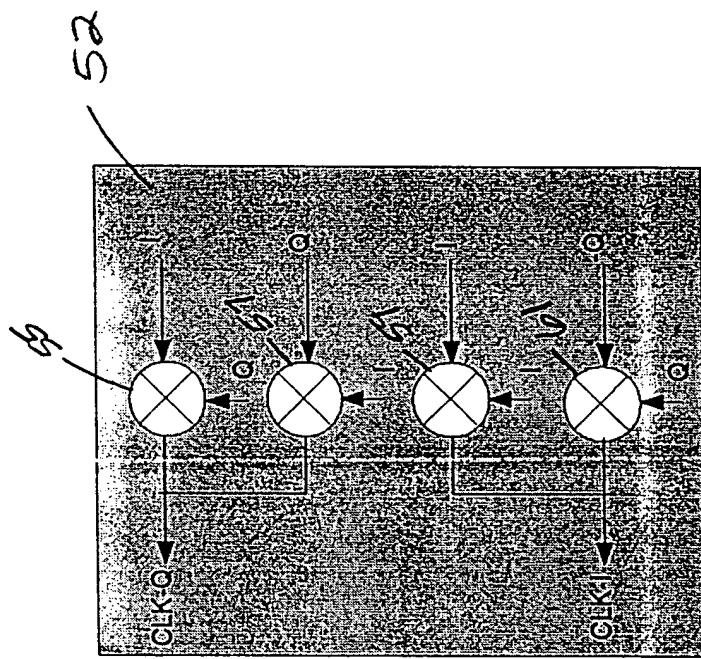


FIG. 3

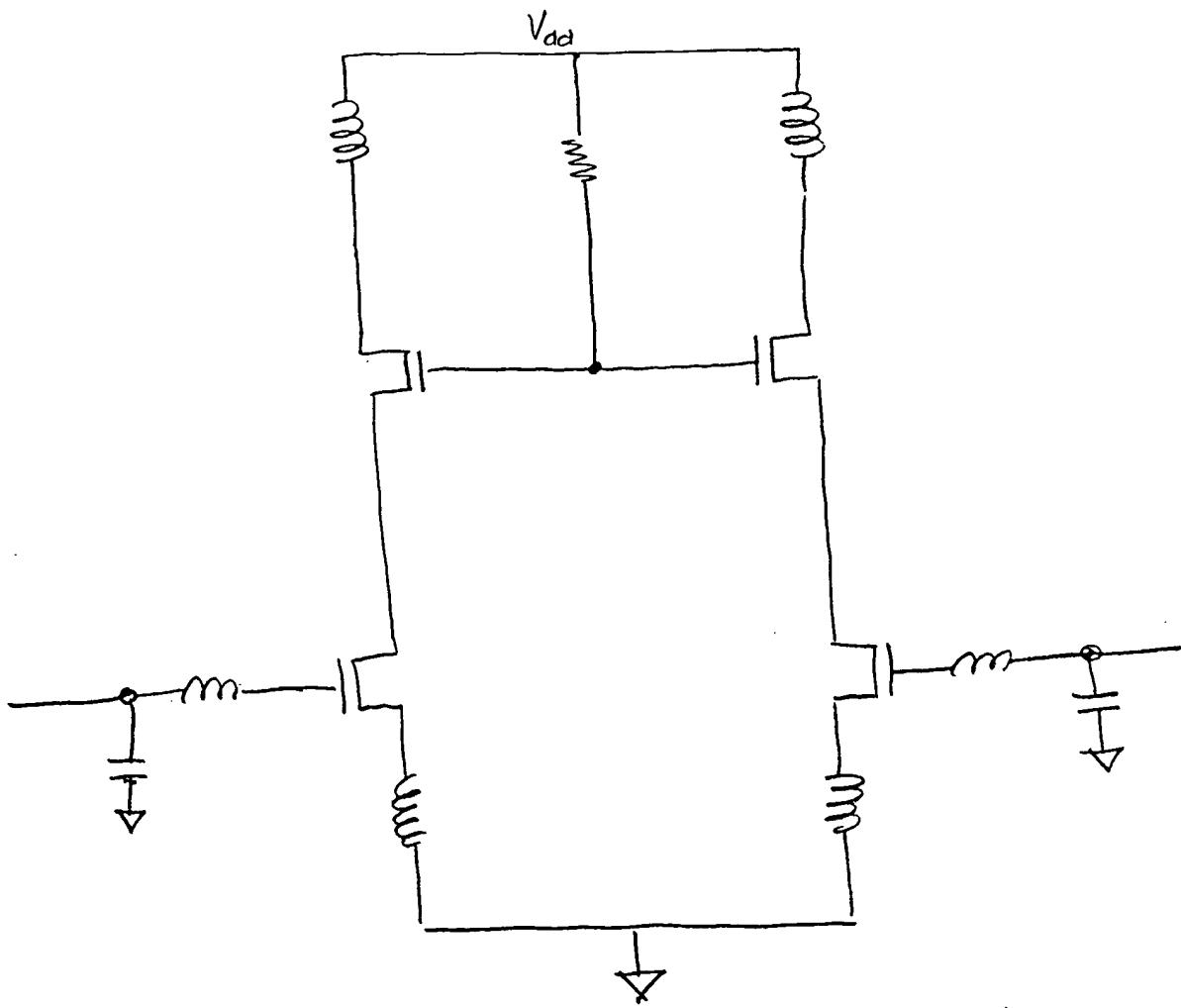


FIG. 4 (a)

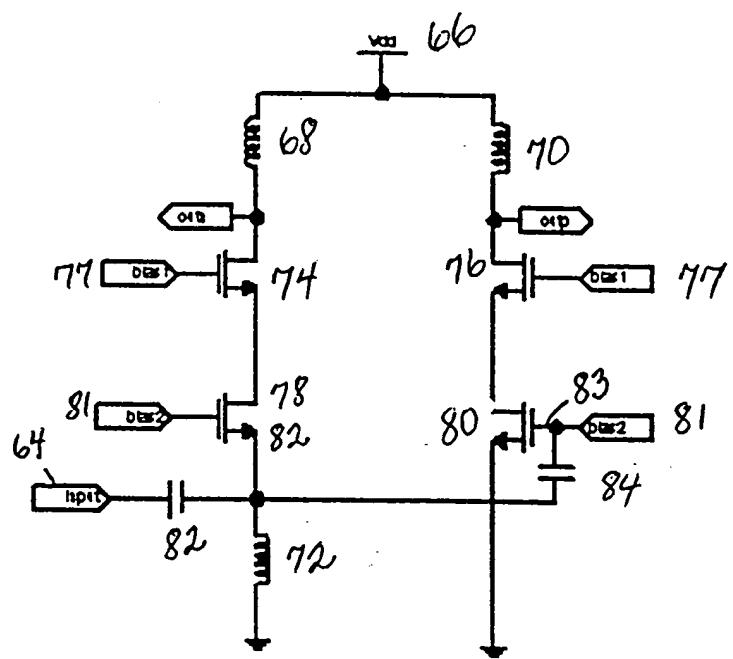


FIG. 4

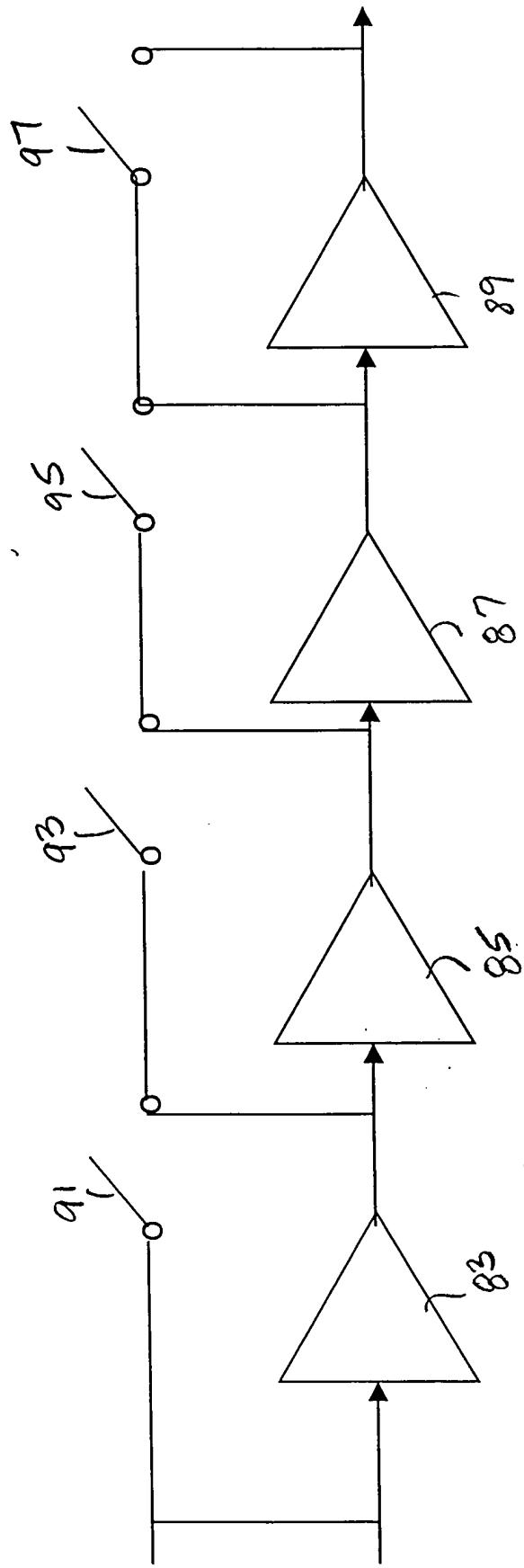


FIG. 5

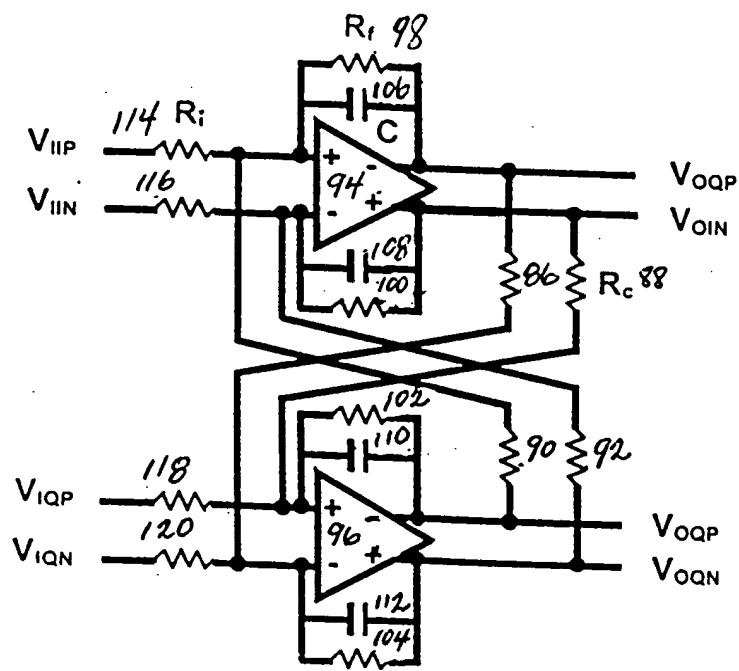


FIG. 6

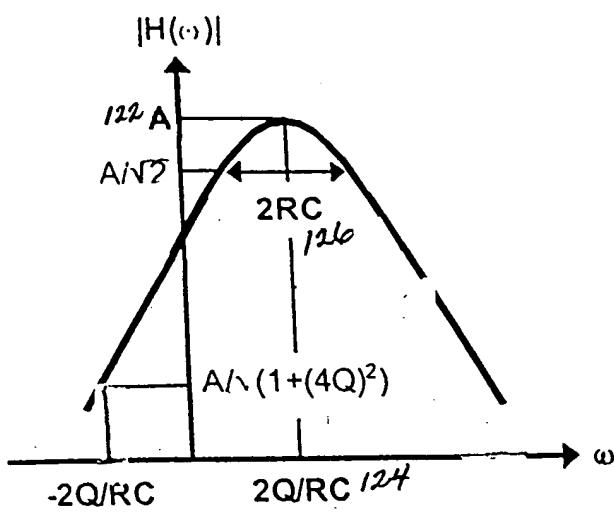


FIG. 7

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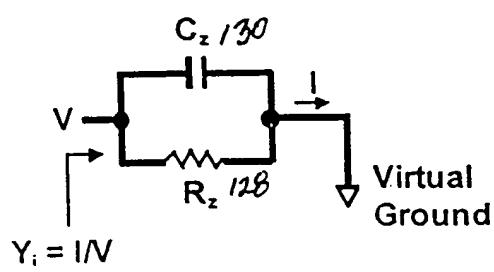


FIG. 8

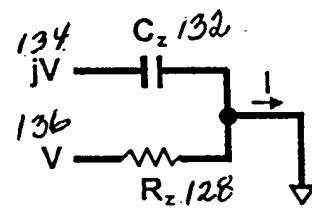


FIG. 9

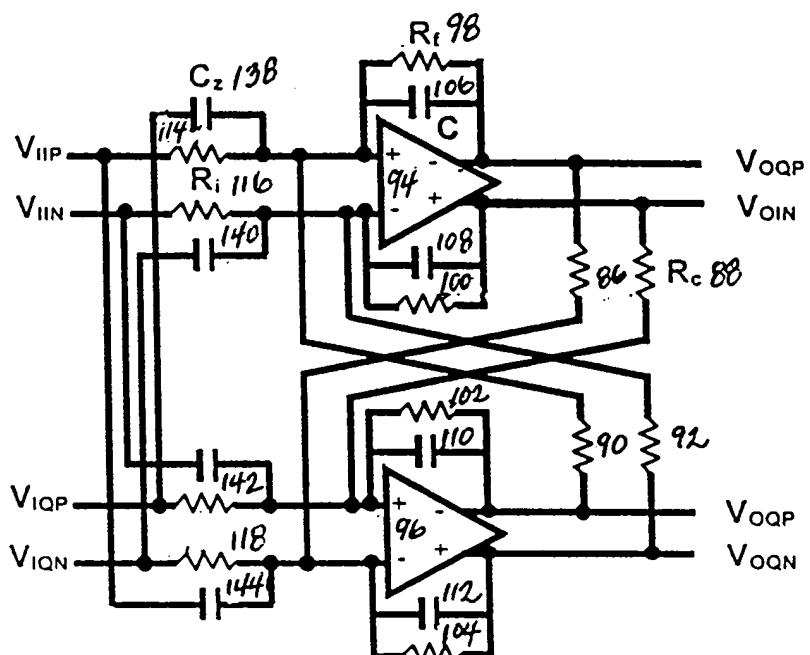


FIG. 10

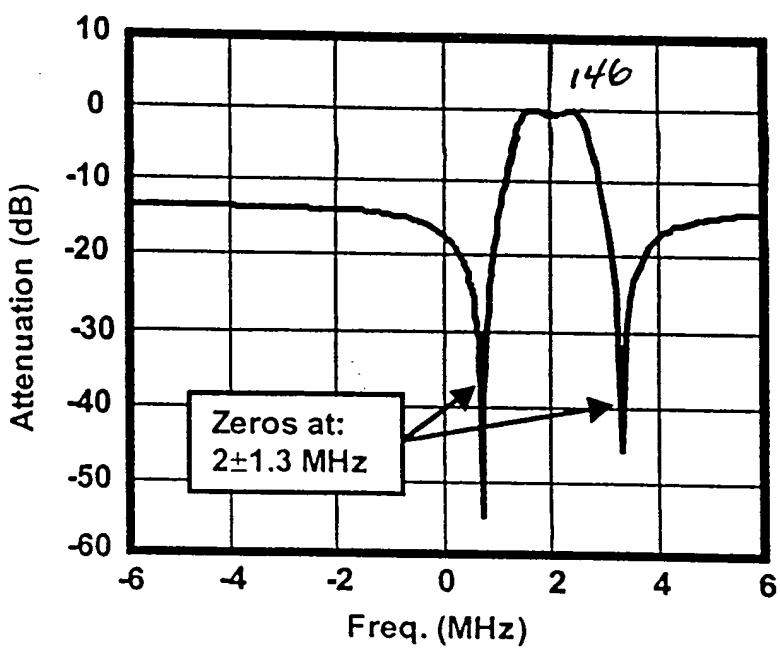


FIG. 11

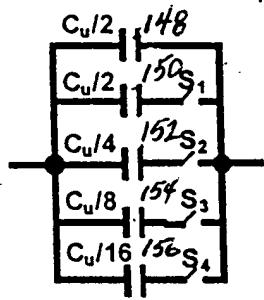


FIG. 12(a)

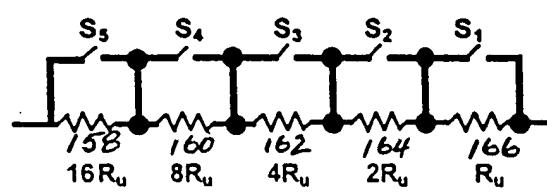


FIG. 12(b)

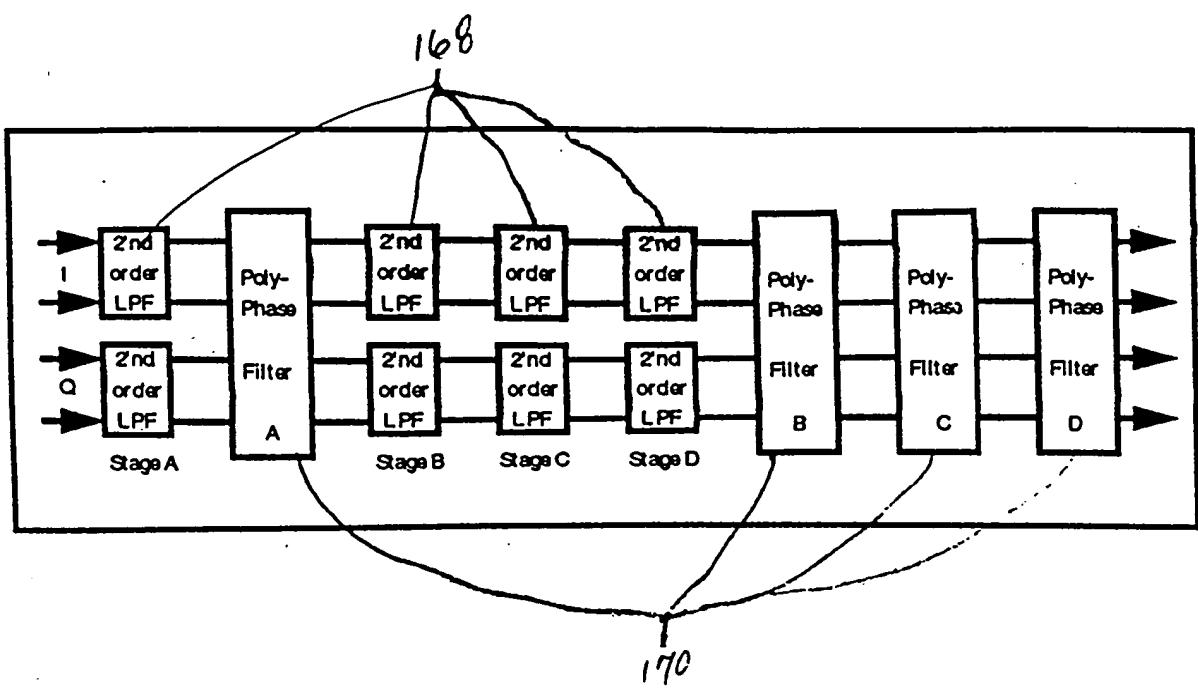


FIG. 13

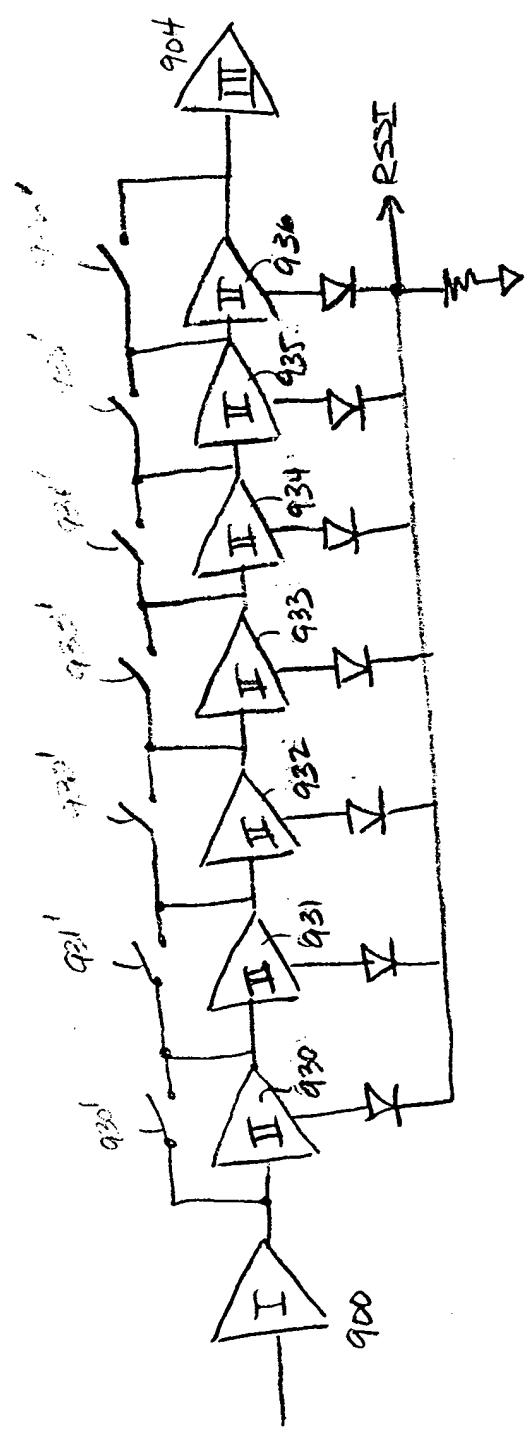


FIG. 14

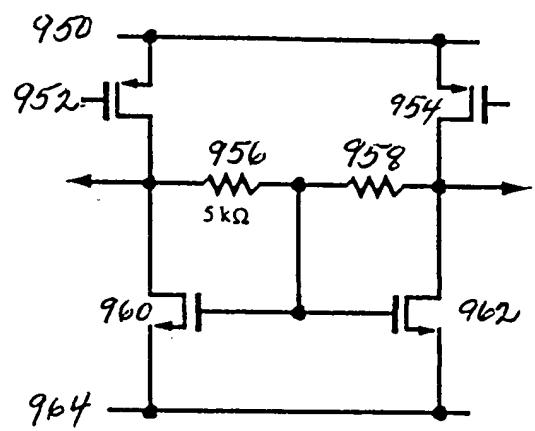


FIG. 15

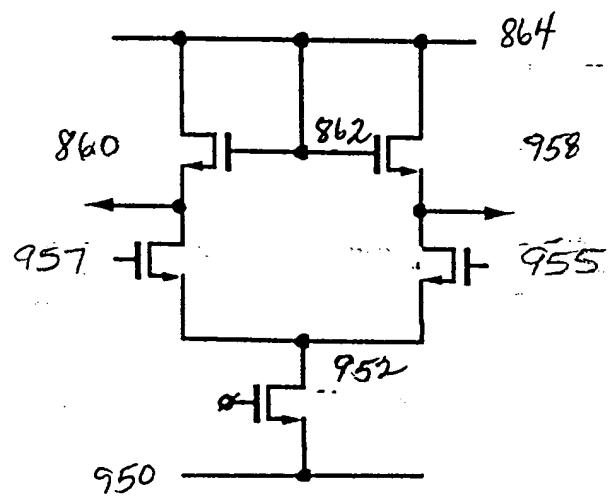


FIG. 16(a)

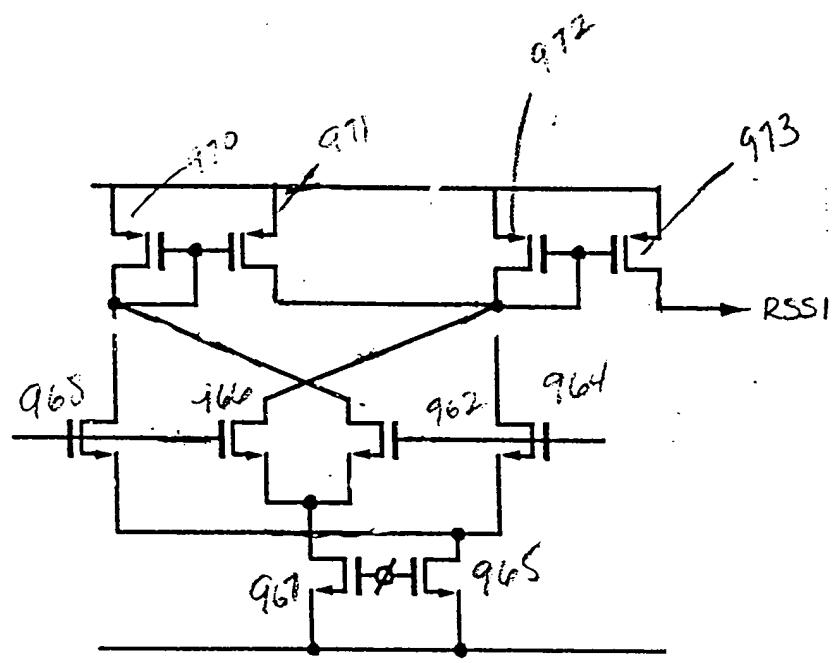


FIG. 16(b)

FIG. 17(a)

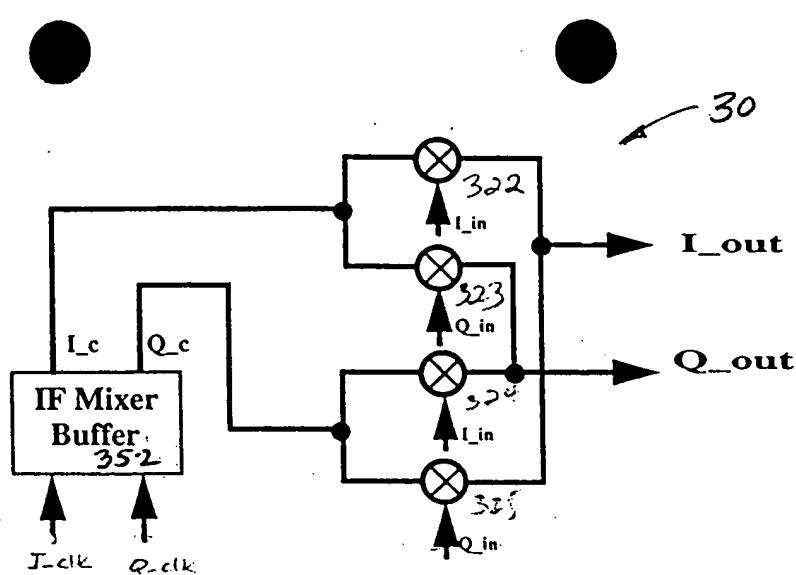
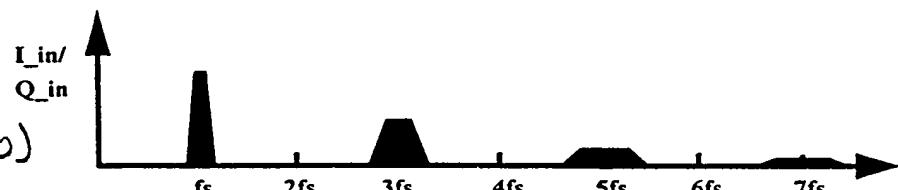
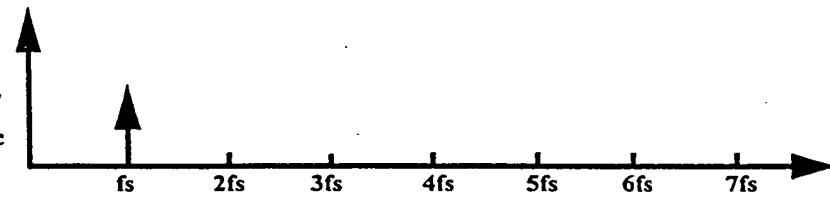


FIG. 17(b)



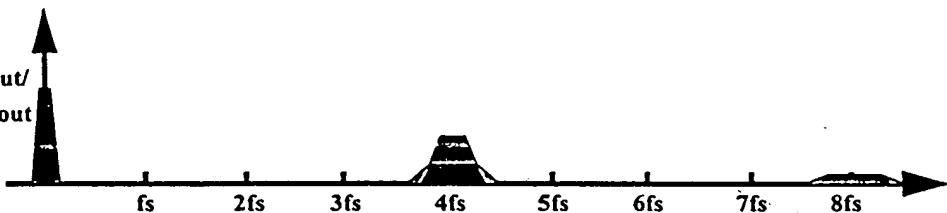
Limited IF Signal Spectrum

FIG. 17(c)
 I_c/Q_c



Sinusoidal Input Spectrum

FIG. 17(d)
 I_{out}/Q_{out}



IF MixerOutput Spectrum

FIG. 18

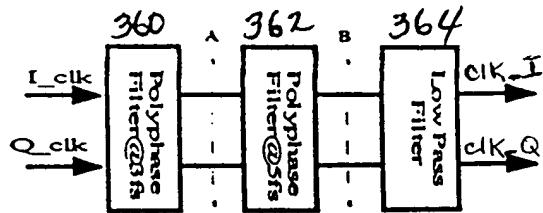


FIG. 19(a)

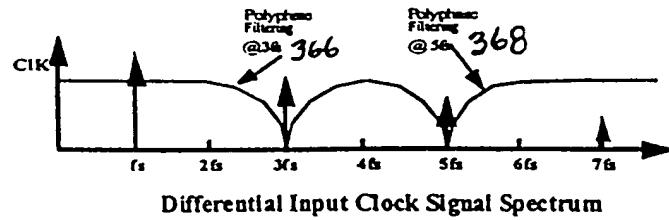


FIG. 19(b)

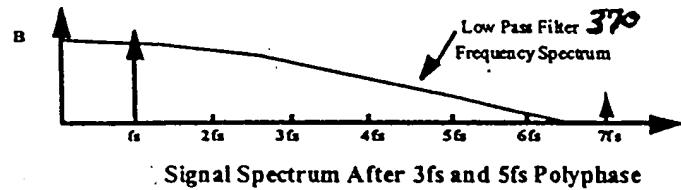
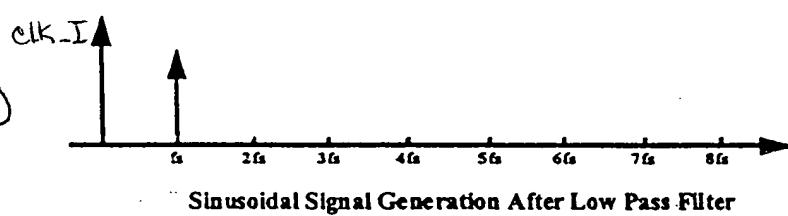


FIG. 19(c)



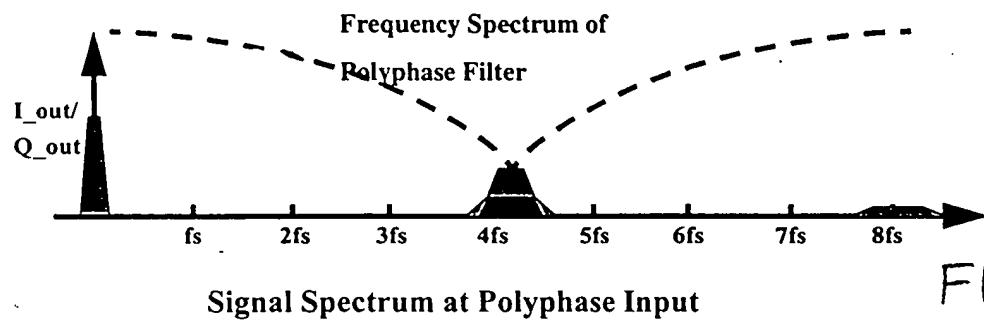


FIG. 20(a)

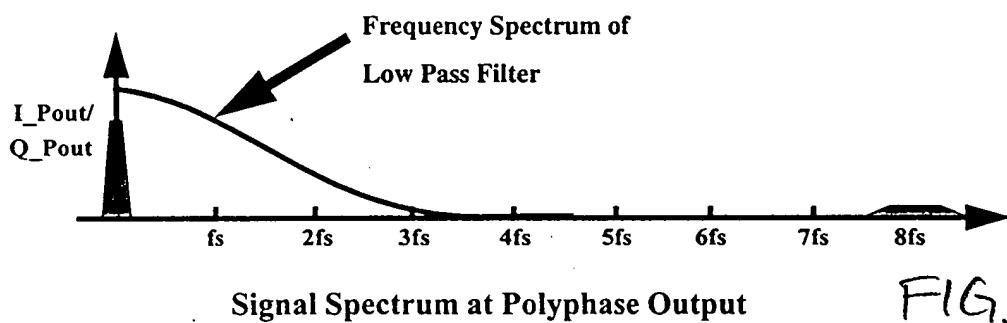


FIG. 20(b)

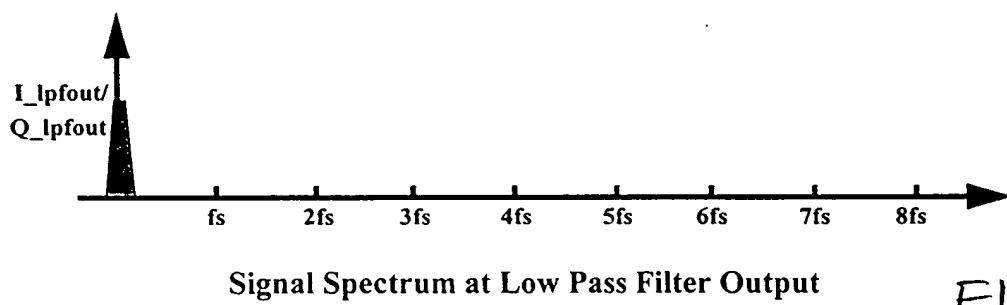


FIG. 20(c)

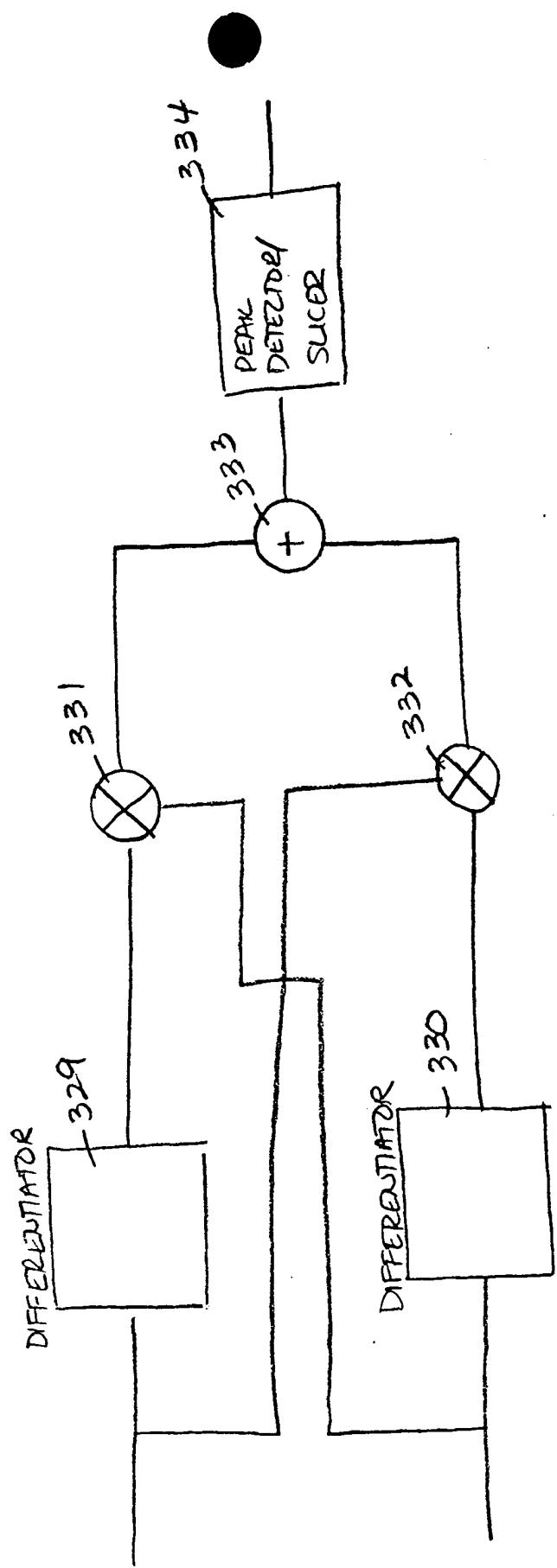


FIG. 21

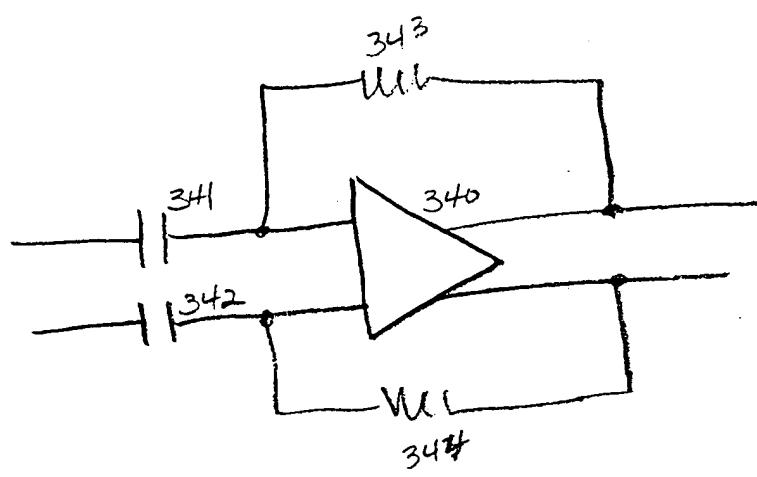


FIGURE 22

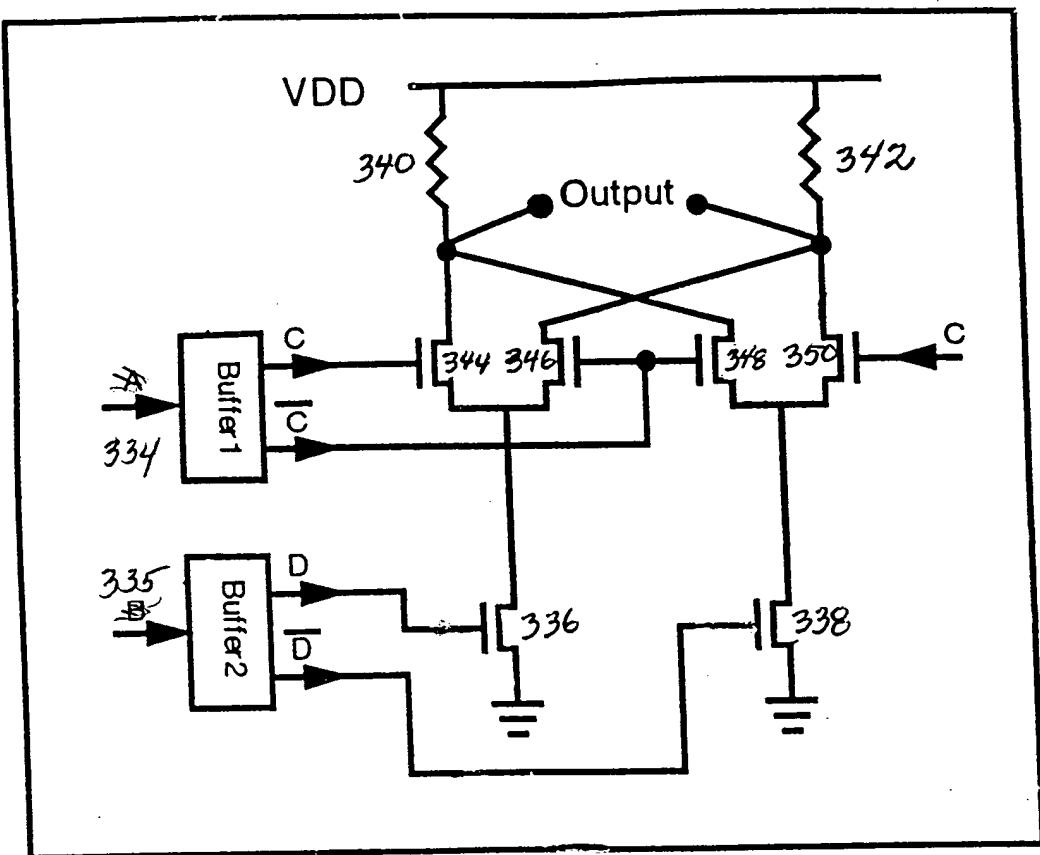


FIG. 23

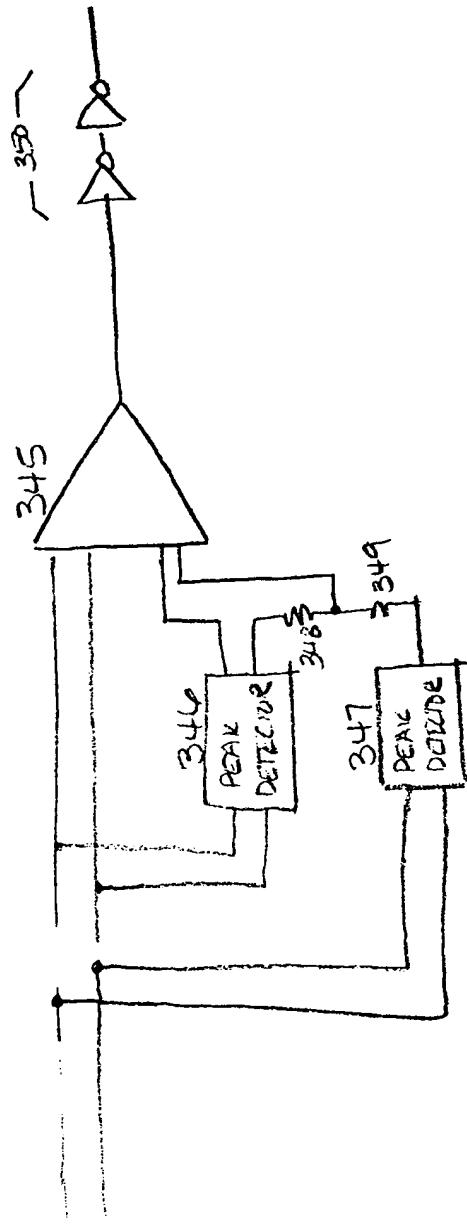


FIGURE 24

FIG. 25

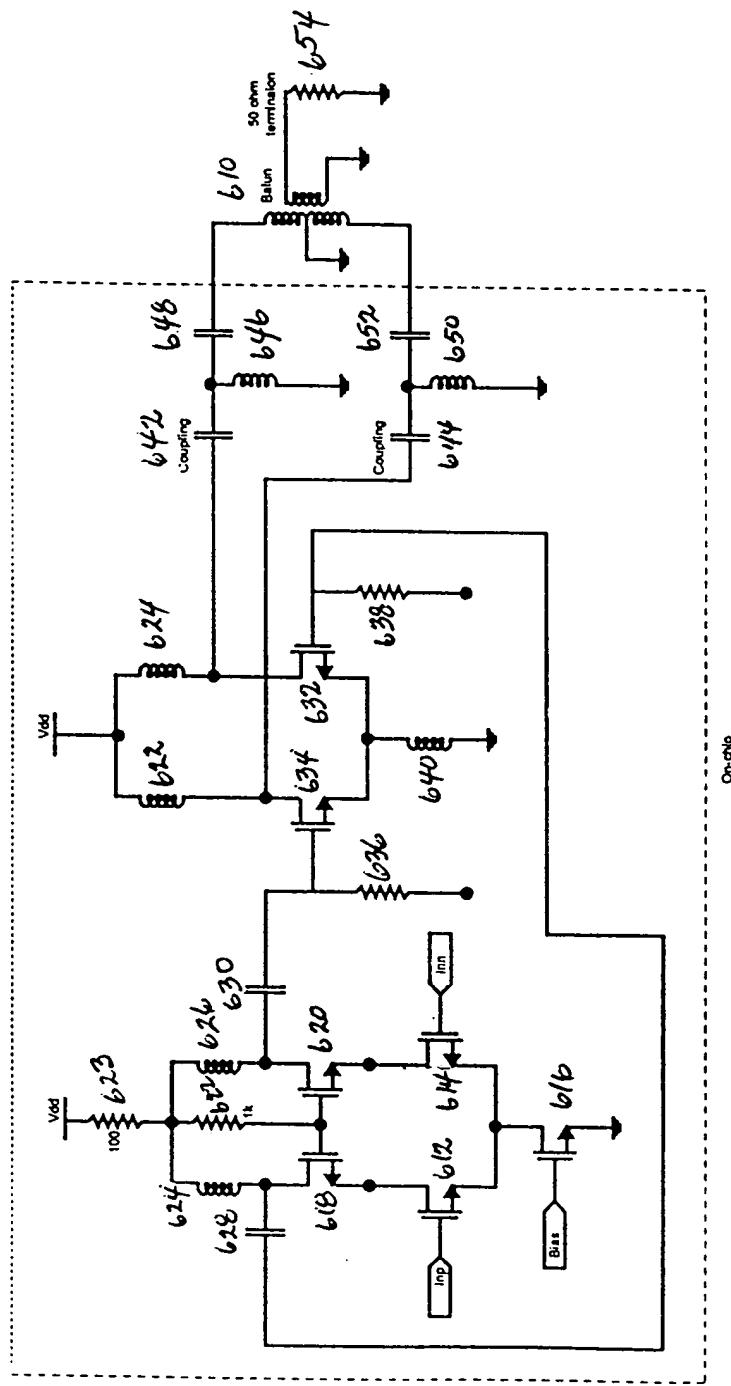


FIG. 26(b)

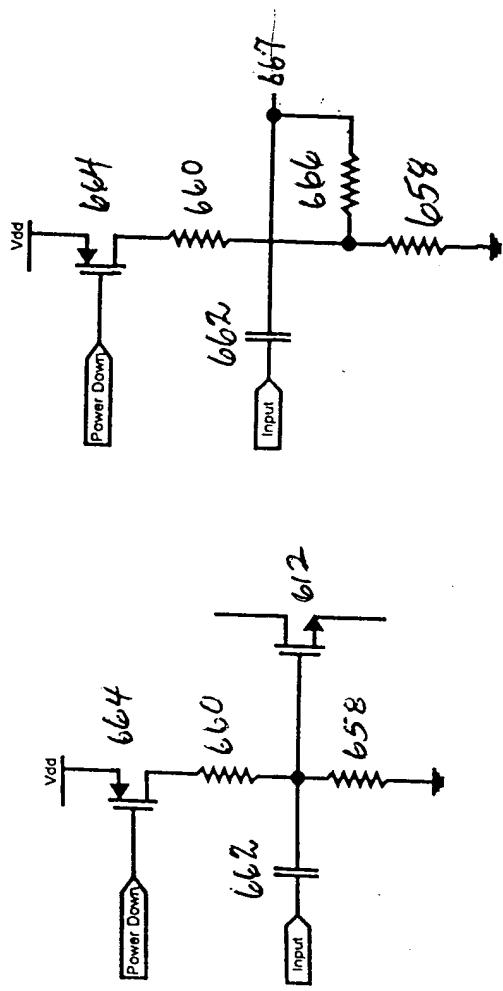


FIG. 26(a)

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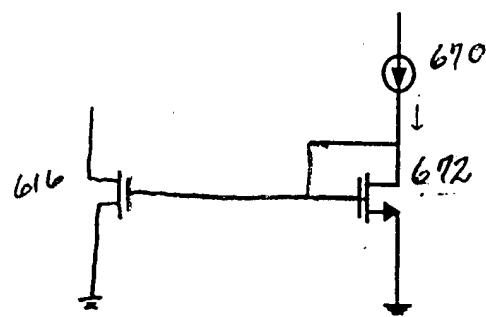


FIG. 27

0 0 0 0 0 0 0 0 0 0

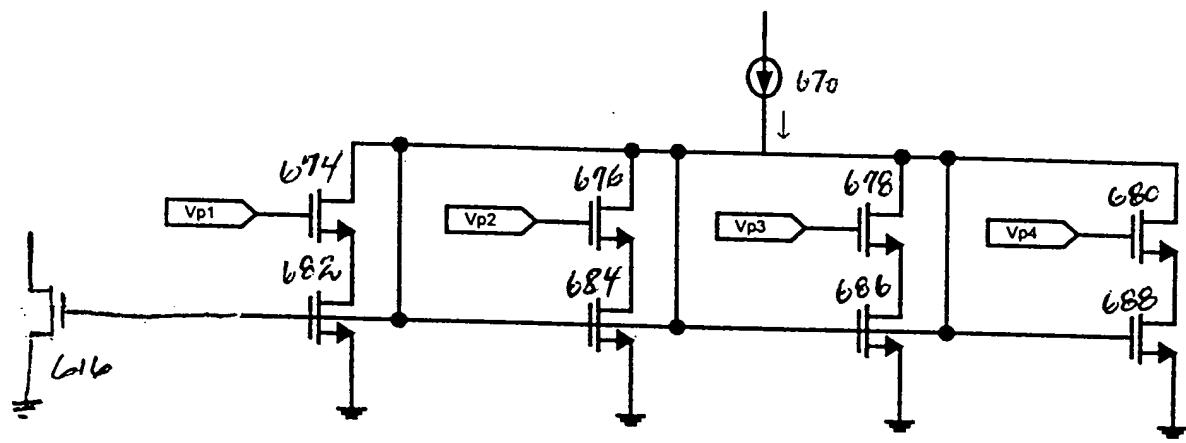


FIG. 28

000000000000000000000000

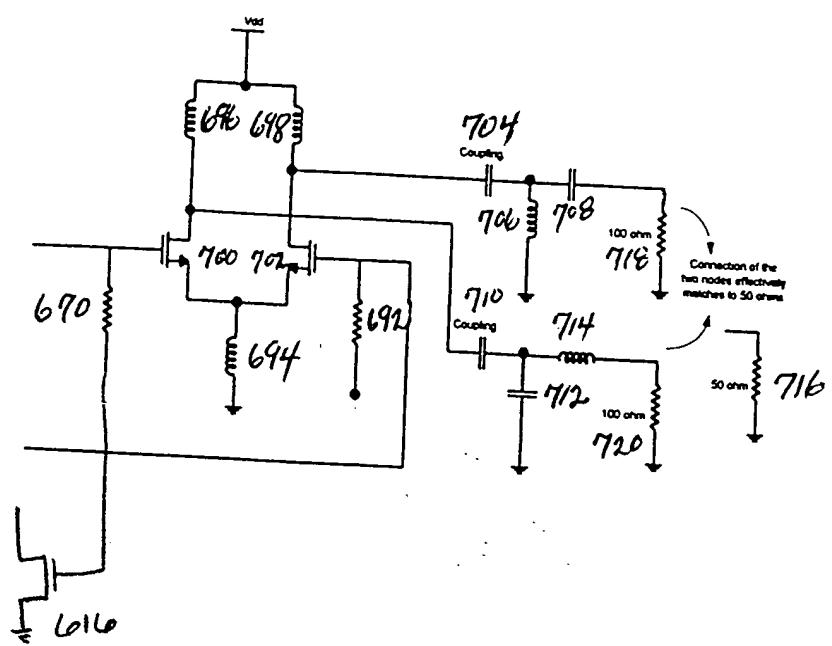


FIG. 29

003707 - FIG. 30

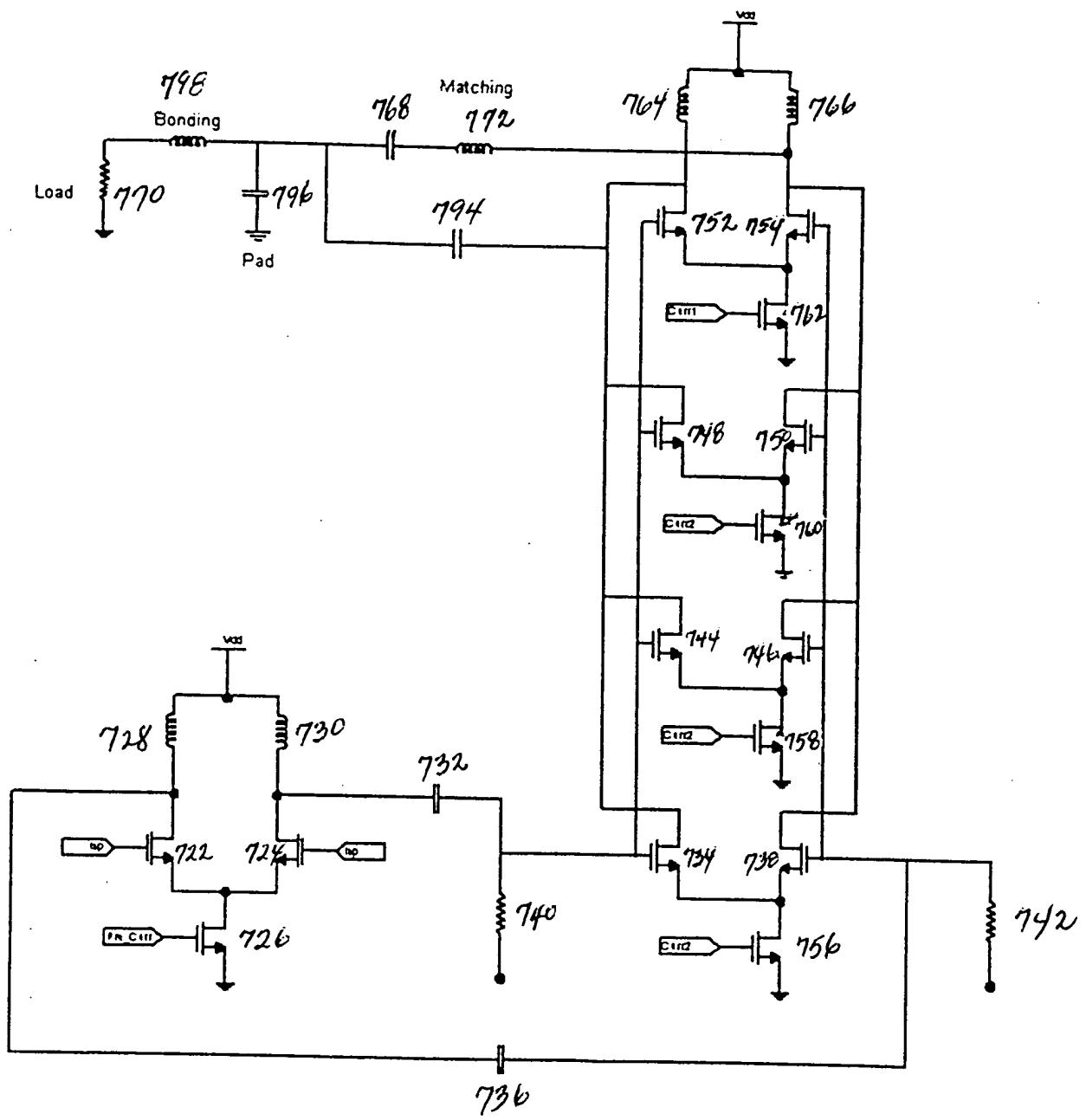


FIG. 30

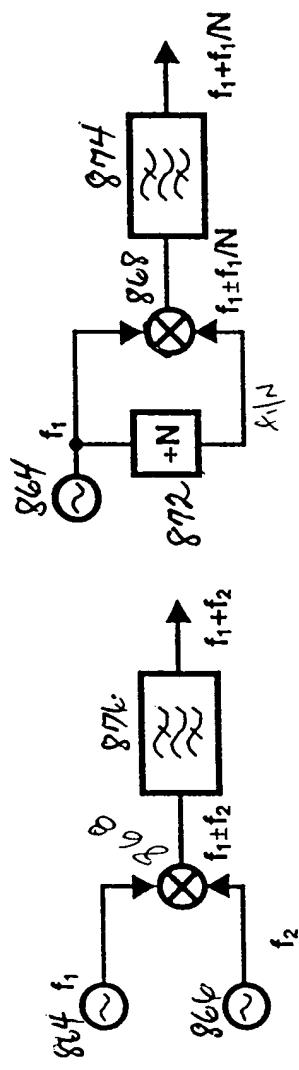


FIG. 31 (a)

FIG. 31 (b)

□□□□□□□□□□□□□

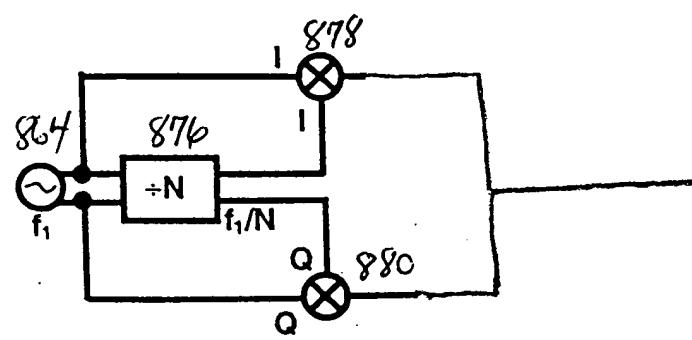


FIG. 32

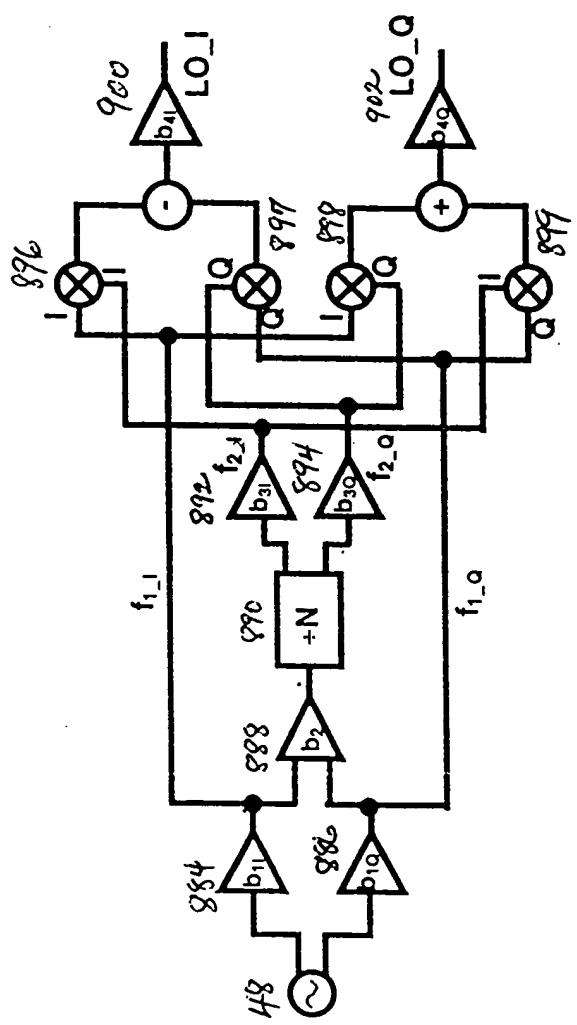


FIG. 33

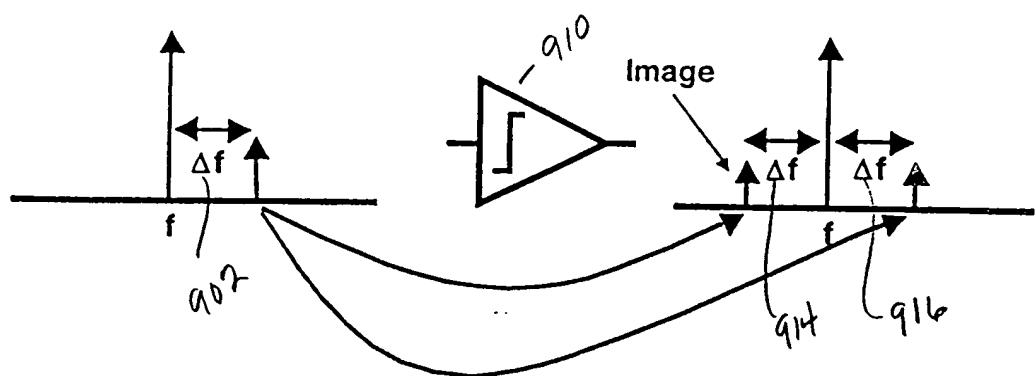


FIG. 33(a)

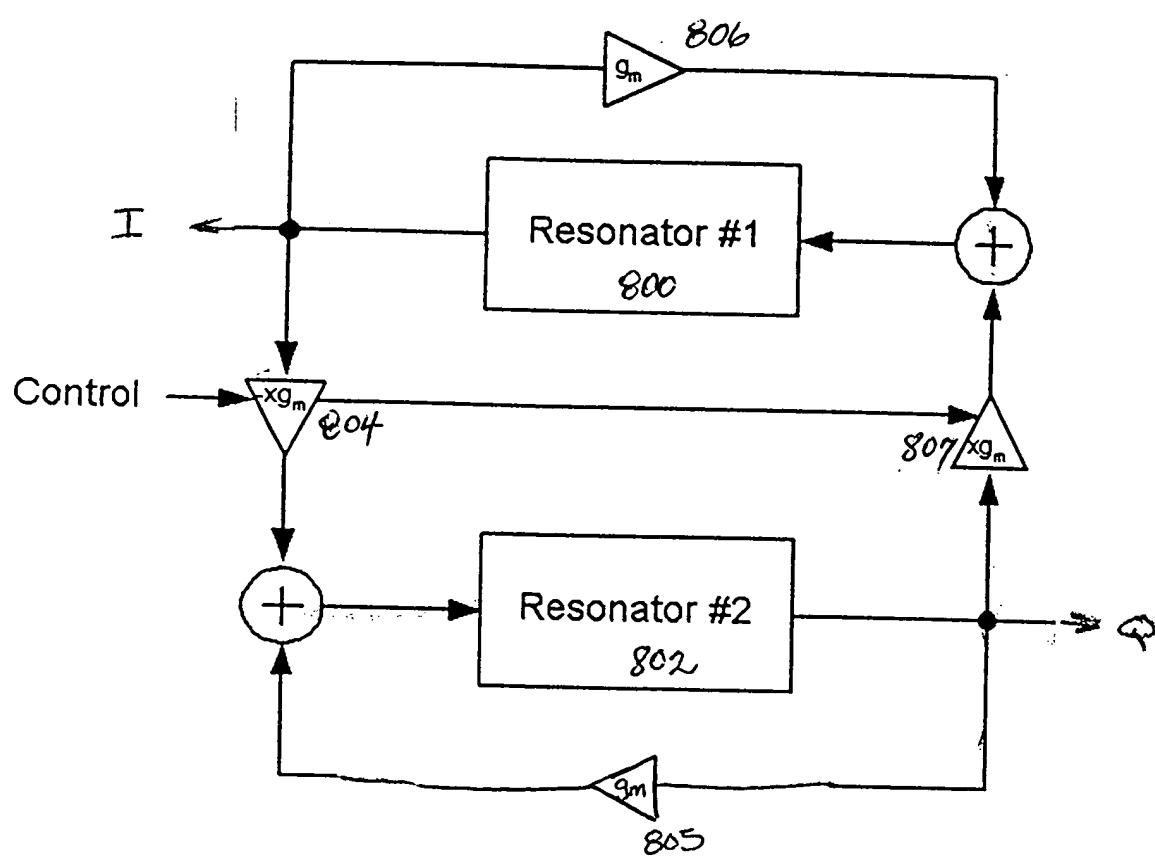


FIG. 34

000707 - FIG. 35

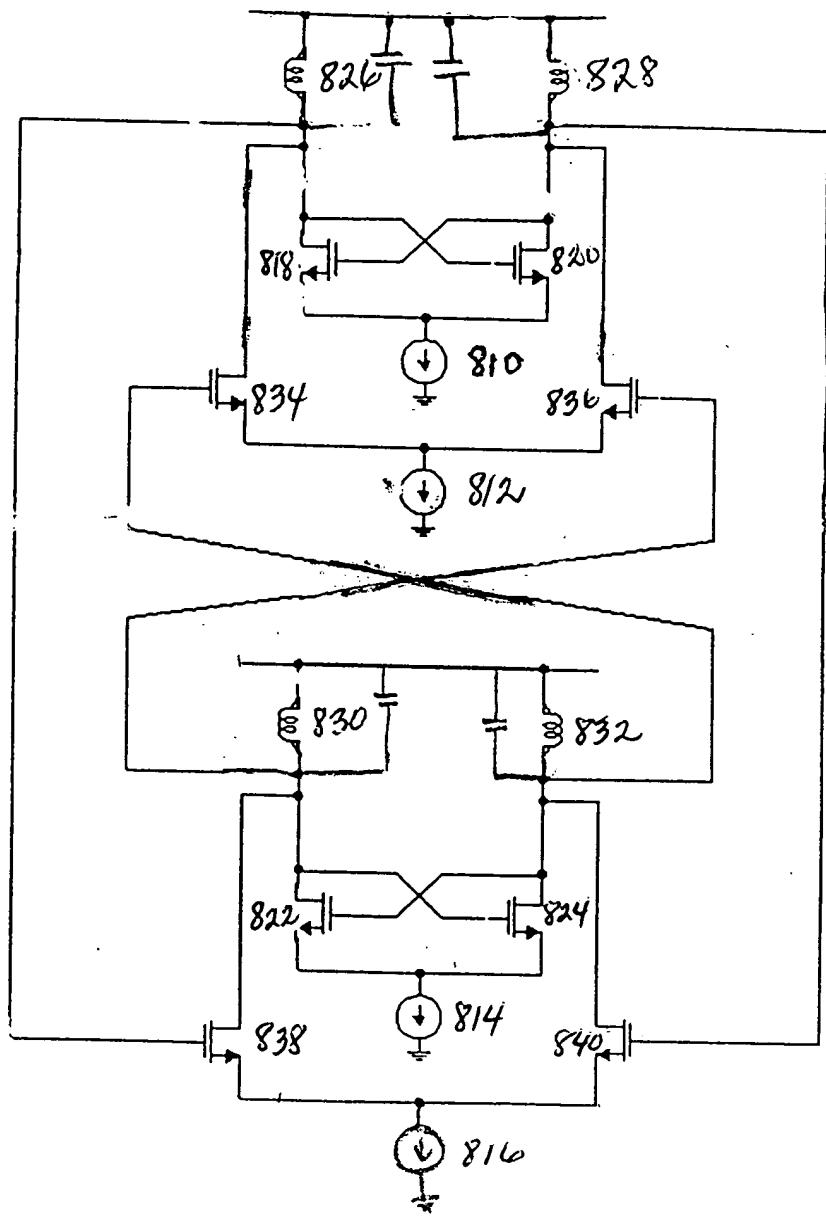


FIG. 35

FIG. 36(b)

Segmented VCO Tuning Curve

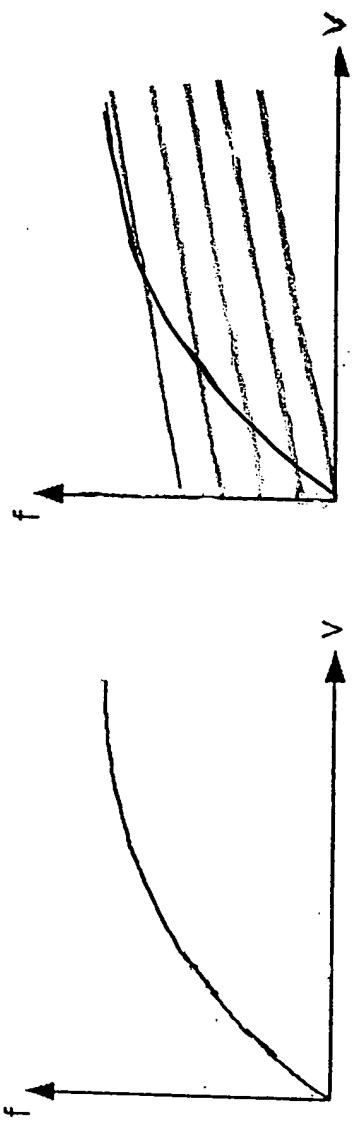


FIG. 36(a)

Typical VCO Tuning Curve

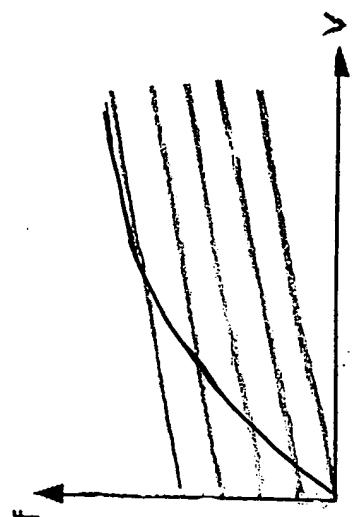
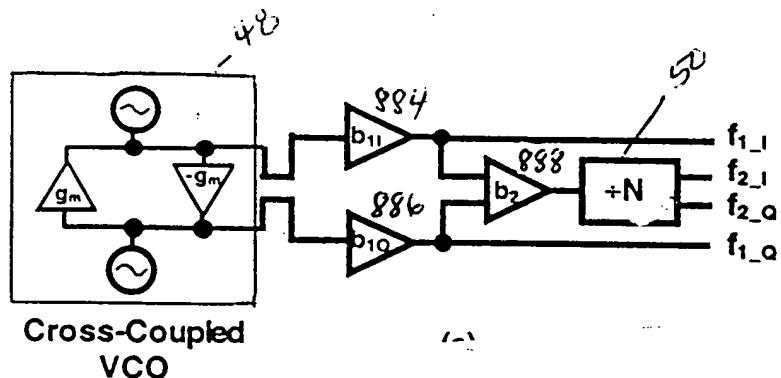
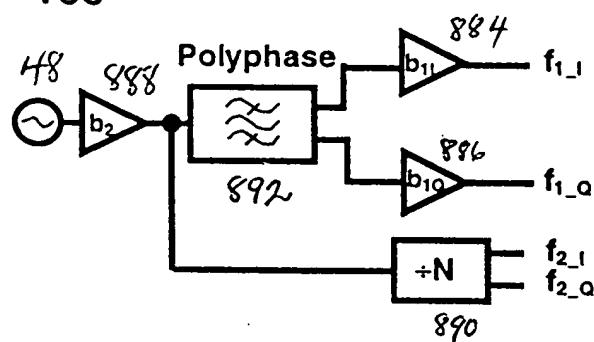


FIG. 37(a)



Cross-Coupled
VCO

FIG. 37(b)



000000000000000000000000

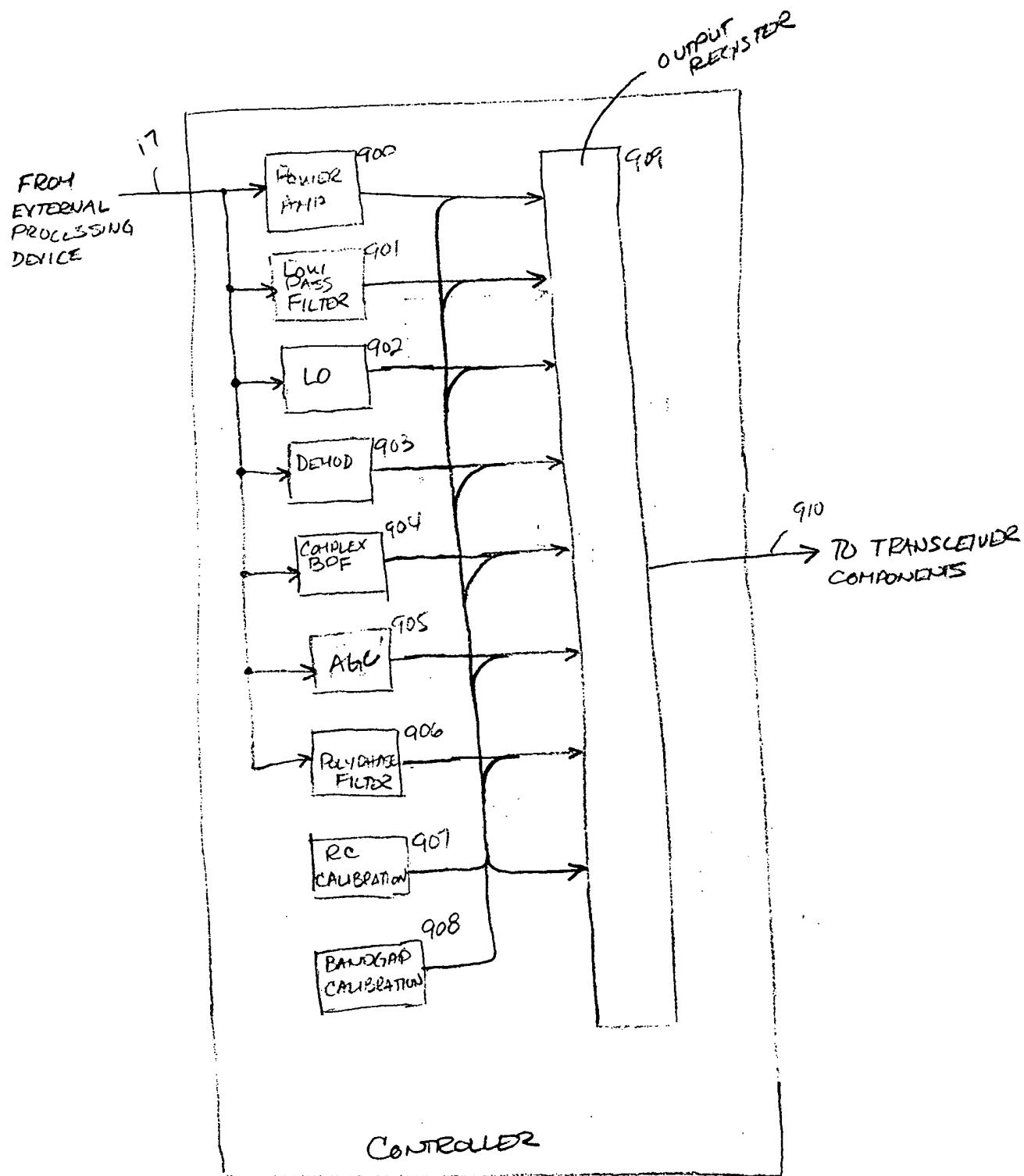


FIGURE 38

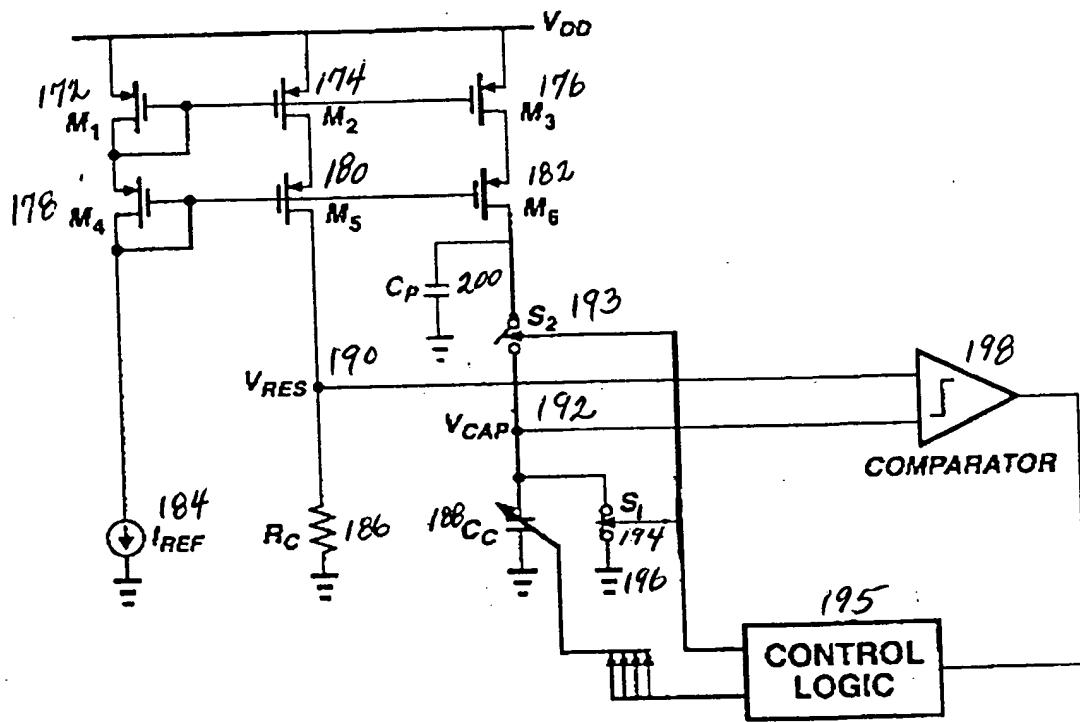


FIG. 39

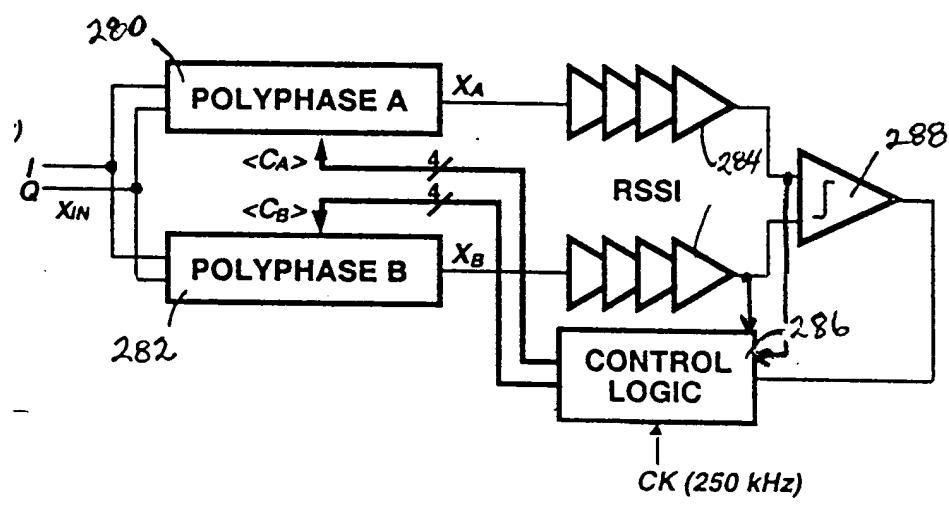


FIG. 40

003707 - 4123 76 21 00

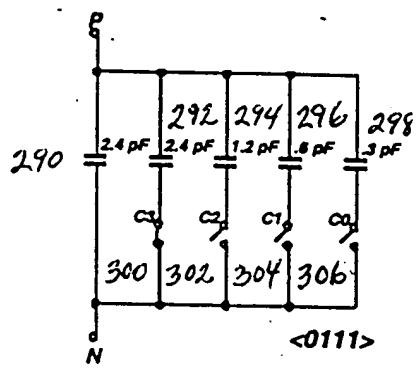


FIG. 41

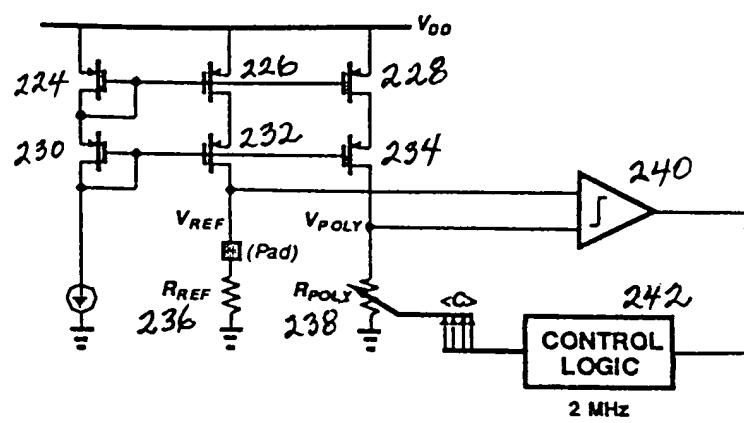


FIG. 42

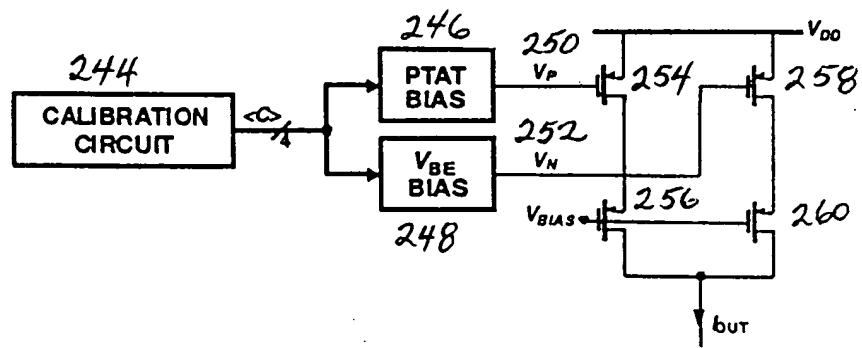


FIG. 43

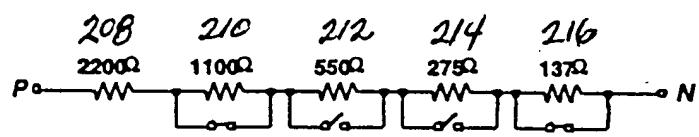


FIG. 44

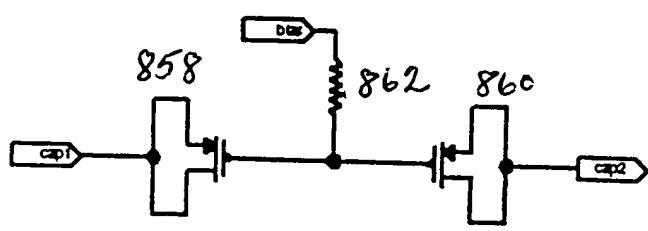


FIG. 45

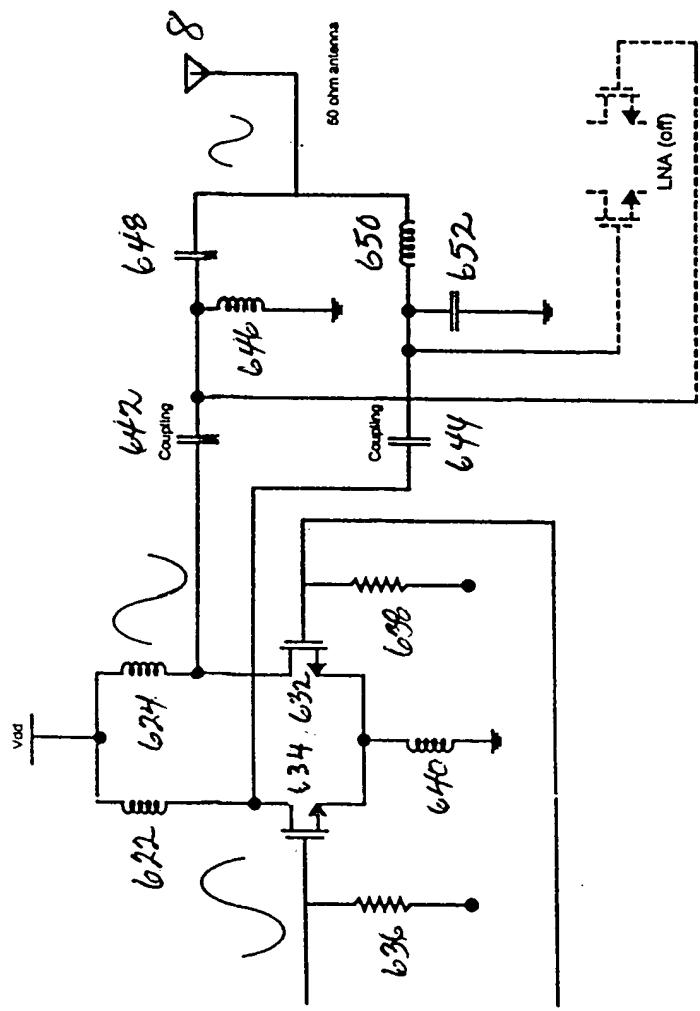


FIG. 46

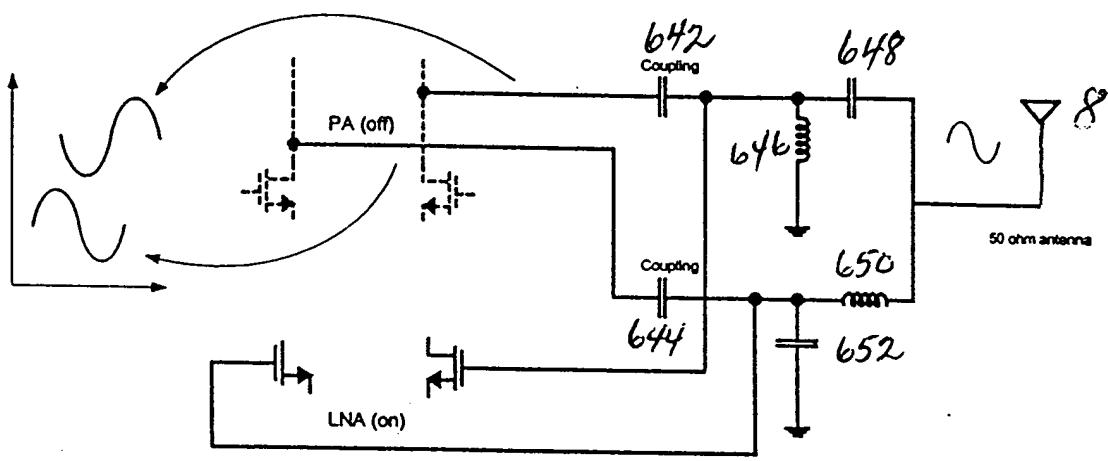


FIG. 47